

STATSTOOLS

A USER MANUAL AND INSTALLATION
GUIDE

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Follow the following steps to load the custom tool to ArcGIS Pro:

1. Open ArcGIS Pro on your desktop or laptop.

- You can do this by opening a new blank map template or simply opening a new project when prompted.
- You can opt to create a new folder for this project if you choose.

2. Create a new project within ArcGIS Pro.

- You can also open your own project that you would like to install the tool on!

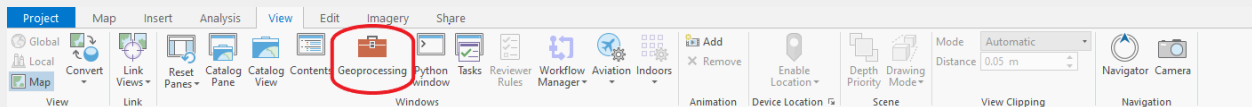
3. Download the CalculateStats.gpkx file

4. Unzip the file and extract to a known location

- You will need to know the file location in the next steps!

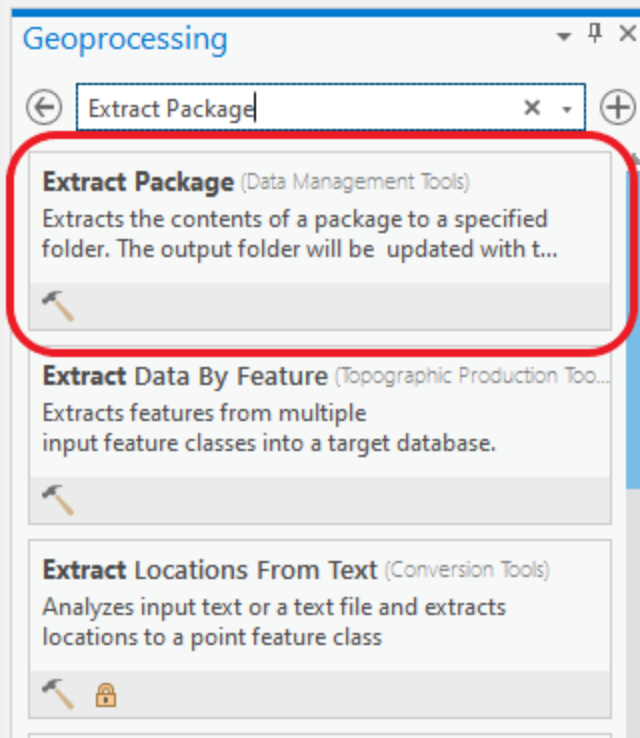
5. In ArcGIS, head to Geoprocessing button

- This can be found under the View tab.



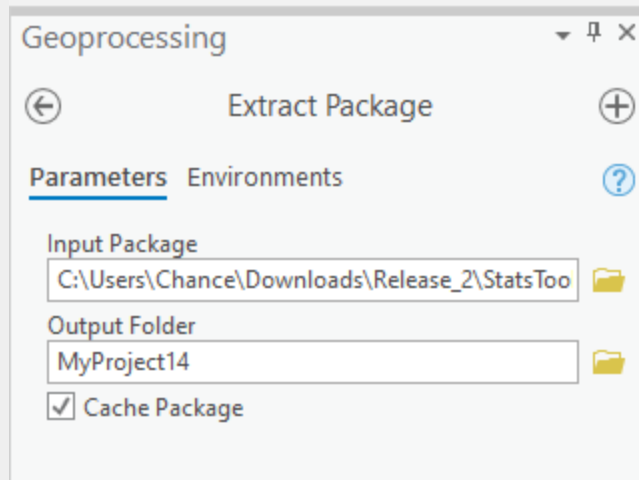
6. Click the Geoprocessing button and navigate to the Geoprocessing pane to the right side of the screen.

- In the *Find Tools* search bar, search for “Extract Package”.



7. After clicking the “Extract Package” tool, supply the required parameters.

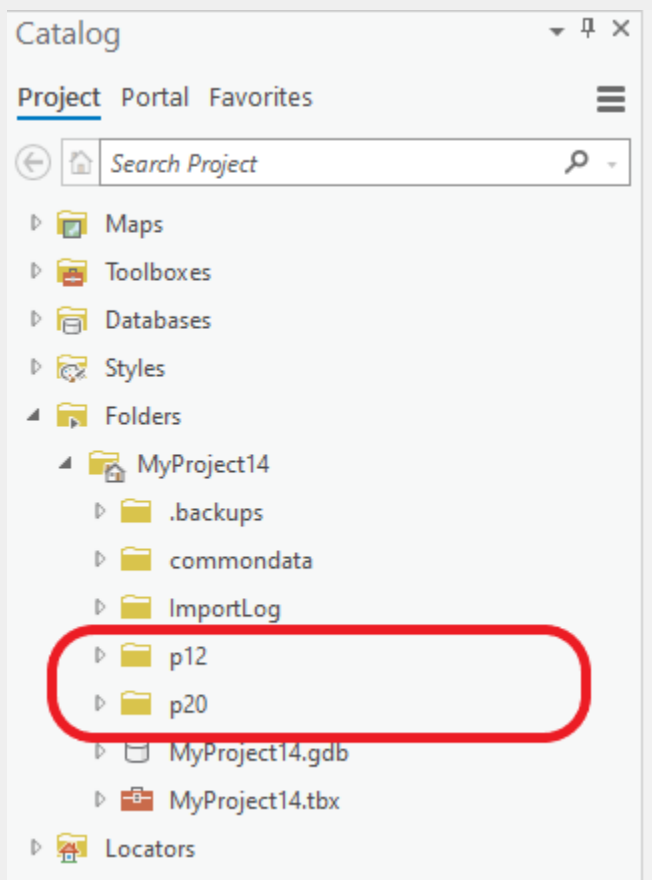
- Input: **StatsTools.gpkx** (saved at the earlier file location you chose)
- Output: Your ArcGIS Pro project file location (inside your project folder)
 - Example route:
C:\Users\YourName\Documents\ArcGIS\Projects\MyProject14\
- Leave “Cache Package” checked.



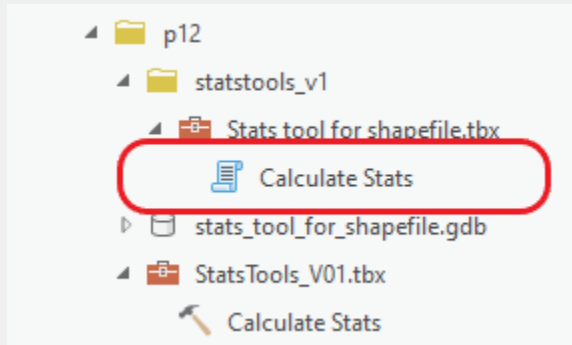
8. Click “Run” at bottom right corner of tool

9. Revisit “Catalog Pane” from previous steps

- Navigate to “Folders” > “*ProjectName*” > “p12”
- If these aren’t visible, simply restart ArcGIS Pro and revisit the Catalog Pane.

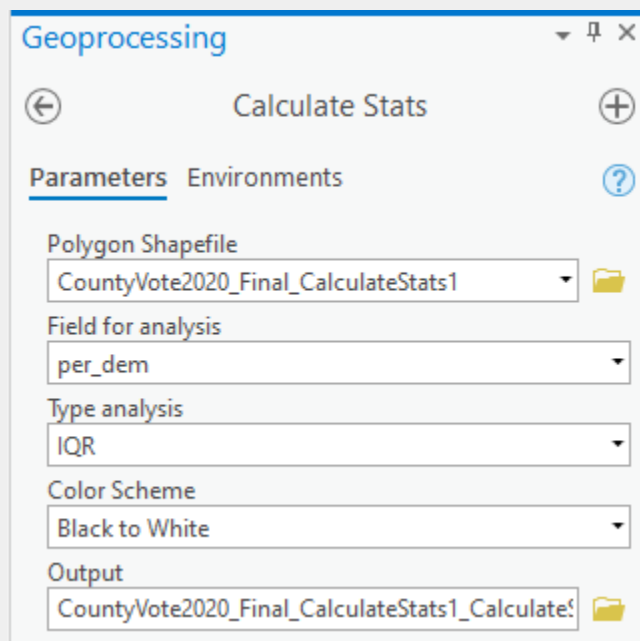


10. For our use, click on the Script version of StatsTools, named “Calculate Stats”

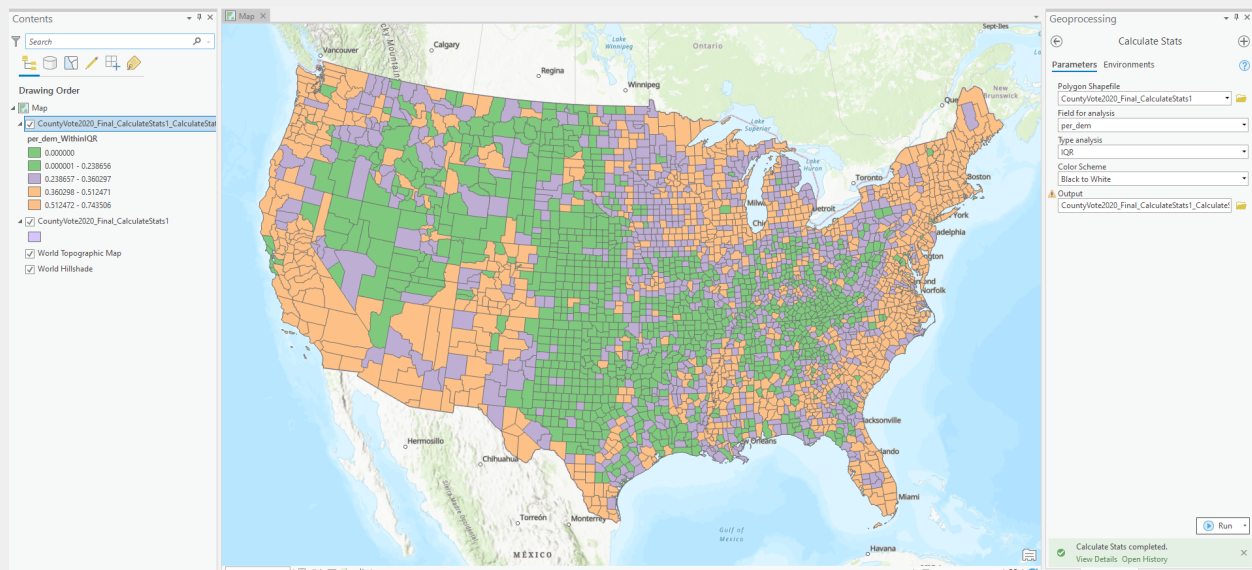


11. The tool has been launched! The familiar ArcGIS tool UI appears, and your arguments can be supplied to the tool.

- If your data allows for the type of analysis to perform, the tool will run!
- When you're finished adding data to the tool, click “Run” on the bottom right corner of the window.



12. Here we have some supplied data, but we can see the tool in action below!



Parameter Descriptions

Polygon Shapefile: Select a shapefile with numerical fields that you want to perform analysis.

Field for analysis: Select the field on which you want to use for analysis (numerical field only).

Type analysis: Select the type of statistical analysis from the dropdown list.

Disclaimer: On default 5 classes will be defined, as a part of the development stage the user is not allowed to select the number of classes. When performing IQR the color scheme will be overwritten to a color scheme that is best suited for IQR visualization.

Color scheme: Select the color scheme you want for your data.

Output: Select the output location to save the layer.